



## Polyolefins North America Markets and Applications

### General Purpose Injection Molding

Dow Polyolefin Products offered into this market include AFFINITY\* POPs, AMPLIFY\* Functional Polymers, DOW HDPE Resins, DOW Polypropylene Resins, FLEXOMER and INSPIRE\* Performance Polymers.

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	Melt Index (g/10 min)	Density (g/cc)
AFFINITY POPs		
<u>AFFINITY PT 1409</u>	6.00	0.911

	Melt Index (g/10 min)	Density (g/cc)	Percent Comonomer
AMPLIFY EA Functional Polymers			
<u>AMPLIFY EA 100</u>	1.30	0.930	15.0
<u>AMPLIFY EA 101</u>	6.00	0.931	18.5
<u>AMPLIFY EA 102</u>	6.00	0.931	18.5
<u>AMPLIFY EA 103</u>	21.00	0.930	19.5

	Melt Index (g/10 min)	Density (g/cc)	Percent Comonomer
AMPLIFY VA Functional Polymers			
<u>AMPLIFY VA 400</u>	1.85	0.928	10.5

	Melt Index (g/10 min)	Density (g/cc)
DOW HDPE Resins		
<u>HDPE 25455N</u>	25.00	0.955
<u>HDPE DMDA-8007 NT7</u>	8.25	0.965
<u>HDPE DMDA-8904 NT7</u>	4.40	0.952
<u>HDPE DMDA-8907 NT7</u>	6.50	0.954
<u>HDPE DMDA-8920 NT7</u>	20.00	0.954
<u>HDPE DMDA-8940 NT7</u>	43.00	0.951

	Melt Flow Rate (230 °C, 2.16 kg) (g/10 min)	Flexural Modulus (psi)	IZOD Impact Strength (ft-lbf in)
DOW Polypropylene Resins			
<u>Polypropylene C719-35RNHP</u>	35.0	155,000	3.50

<a href="#">Polypropylene DC759.00</a>	21.0	200,000	1.60
<a href="#">Polypropylene 6D75K</a>	35.0	120,300	1.00
<a href="#">Polypropylene DX5A29H</a>	20.0	200,000	0.50
<a href="#">Polypropylene H700-12</a>	12.0	210,000	0.80
<a href="#">Polypropylene H700-12A</a>	12.0	210,000	0.80
<a href="#">Polypropylene H700-12NA</a>	12.0	245,000	0.90
<a href="#">Polypropylene H701-20A</a>	20.0	215,000	0.60
<a href="#">Polypropylene H701-20NA</a>	20.0	250,000	0.80
<a href="#">Polypropylene 5A15H</a>	5.0	230,000	0.70
<a href="#">Polypropylene C103-04</a>	4.0	180,000	2.00
<a href="#">Polypropylene C107-04</a>	4.0	180,000	2.00
<a href="#">Polypropylene C700-35</a>	35.0	195,000	1.00
<a href="#">Polypropylene C702-20</a>	18.0	150,000	3.50
<a href="#">Polypropylene C700-35N</a>	35.0	220,000	1.20

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